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240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name:	NEBNext® Ultra™ II DNA Library Prep Kit for Illumina®
Catalog Number:	E7645S
Lot Number:	10044922
Expiration Date:	03/2020
Storage Temperature:	-20°C
Specification Version:	PS-E7645S/L v1.0

NEBNext® Ultra™ II DNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10038047	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10038045	Pass
E7647AVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10038044	Pass
E7646AVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10038043	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10038046	Pass

Assay Name/Specification	Lot # 10044922
Functional Testing (Library Construction, DNA)	Pass
Each set of reagents is functionally validated and compared to a previous lot	
through construction of libraries made from commercially available genomic DNA,	
using the kit's minimum and maximum input requirements. Libraries made from previous	
and current lots for both input DNA amounts are sequenced together on the same	
Illumina® flow cell and compared across various metrics including library yield,	
fraction of reads aligning to the reference, GC bias, and insert size.	
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in NEBNext®	
Ultra™ II DNA Library Prep Kit for Illumina® and meet the designated specifications.	

This product has been tested and shown to be in compliance with all specifications.





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Christine Sumner Production Scientist 10 May 2019

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Michael Tonello Packaging Quality Control Inspector 10 May 2019

